

123003  
17364 US PTO

December 30, 2003

**ATTORNEY DOCKET NO.: INTEL1190 (P18024)**

**ATTN: MAIL STOP PATENT APPLICATION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing is the new Utility patent application of:

**APPLICANTS: TAE-WOONG KOO; ANDREW BERLIN; SELENA CHAN; XING SU; NARAYANAN SUNDARARAJAN and LEI SUN**

**TITLE: NUCLEIC ACID SEQUENCING BY RAMAN MONITORING OF UPTAKE OF NUCLEOTIDES DURING MOLECULAR REPLICATION**

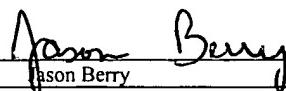
Enclosed are the following papers, including all those required to receive a filing date under 37 CFR § 1.53(b):

Number of Pages

Specification	49
Claims	5
Abstract	1
Declaration	7
Drawing(s) – [formal]	14

"EXPRESS MAIL" Mailing Label Number: EV 318 740 765 US  
Date of Deposit: December 30, 2003

I hereby certify under 37 CFR§ 1.10 that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office To Addressee" with sufficient postage on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Jason Berry

031088 US PTO  
10/749527

123003  
Barcode

**GRAY CARY WARE & FREIDENRICH LLP**

**ATTORNEY DOCKET NO.: INTEL1190 (P18024)**

**ATTN: MAIL STOP PATENT APPLICATION**

December 30, 2003

Page 2

Enclosure(s):

- Application Data Sheet (4 pages)
- Check No. 551344 in the amount of \$1,288.00
- Return Receipt Postcard

Applicant(s) claim **LARGE ENTITY** status in the above-identified application.

The filing fee is calculated as follows:

	Number Filed	Number Extra	Rate		Fee	
			Large Entity	Small Entity	Large Entity	Small Entity
Total Claims	44-20	= 24	X	\$18	\$09	= \$432.00
Independent Claims	4 -3	= 1	X	\$86	\$43	= \$ 86.00
Multiple Dependent Claims Presented:	Yes <input checked="" type="checkbox"/> No			\$280	\$140	\$ 0.00
					BASIC FEE	\$770.00
					TOTAL FEE	\$1288.00
						\$ 0.00

Check No. 551344 is enclosed as payment of the **FILING FEE**. The Commissioner is hereby authorized to apply any other required fees or any credits to Deposit Account No. 50-1355, referencing the attorney docket number shown above. A copy of this Transmittal Sheet is enclosed.

**GRAY CARY WARE & FREIDENRICH LLP**

**ATTORNEY DOCKET NO.: INTEL1190 (P18024)**

**ATTN: MAIL STOP PATENT APPLICATION**

December 30, 2003

Page 3

If this application is found to be INCOMPLETE, or if a telephone conference would otherwise be helpful, please call the undersigned at (858) 677-1456.

A duplicate copy of this letter is enclosed. Kindly acknowledge receipt of this application by returning the enclosed postcard.

All future correspondence should be addressed to:

**Lisa A. Haile, J.D., Ph.D.**  
**GRAY CARY WARE & FREIDENRICH LLP**  
4365 Executive Drive, Suite 1100  
San Diego, CA 92121-2133  
Telephone: (858) 677-1456  
Facsimile: (858) 677-1465  
**USPTO Customer Number 28213**

Respectfully submitted,

**GRAY CARY WARE & FREIDENRICH LLP**

  
\_\_\_\_\_  
Lisa A. Haile, J.D., Ph.D.  
Registration No. 38,347

December 30, 2003

Date

LAH/EJV/kdl  
Enclosures